

#4

RAW SEQUENCE LISTING

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Application Serial Number: 101 S30, 886
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PCT

RAW SEQUENCE LISTING

DATE: 04/19/2005

PATENT APPLICATION: US/10/530,886

TIME: 08:47:52

Input Set : A:\Q87392 Sequence Listing.txt

Output Set: N:\CRF4\04192005\J530886.raw

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3 <110> APPLICANT: Astellas Pharma Inc.
4     ODA, Tamaki
5     ENDOH, Hideki
6     UEDA, Yoshitaka
7     INABE, Kazunori
9 <120> TITLE OF INVENTION: CAP BINDING PROTEIN
11 <130> FILE REFERENCE: Q87392
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/530,886
C--> 13 <141> CURRENT FILING DATE: 2005-04-11
13 <150> PRIOR APPLICATION NUMBER: PCT/JP03/12968
14 <151> PRIOR FILING DATE: 2003-10-09
16 <150> PRIOR APPLICATION NUMBER: JP 2002-298549
17 <151> PRIOR FILING DATE: 2002-10-11
19 <160> NUMBER OF SEQ ID NOS: 26
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 528
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: CDS
31 <222> LOCATION: (1)..(525)
33 <400> SEQUENCE: 1
34 atg cgg cga tcg agg agc tct gcg gcc gcc aag ctg cgc ggg cag aag      48
35 Met Arg Arg Ser Arg Ser Ser Ala Ala Ala Lys Leu Arg Gly Gln Lys
36 1          5          10          15
38 cgg tcc ggg gcc tcc gcg gcc ccc gcg gcc tcc gcg gcc gct gcc ttg      96
39 Arg Ser Gly Ala Ser Ala Ala Pro Ala Ala Ser Ala Ala Ala Leu
40          20          25          30
42 gca ccc agc gcc acc cgc aca cgg cgc tcc gct agc cag gcc ggg agc      144
43 Ala Pro Ser Ala Thr Arg Thr Arg Ser Ala Ser Gln Ala Gly Ser
44          35          40          45
46 aag agc cag gcg gtg gag aag ccg ccg tcg gag aag ccg cgg ctg agg      192
47 Lys Ser Gln Ala Val Glu Lys Pro Pro Ser Glu Lys Pro Arg Leu Arg
48          50          55          60
50 cgc tcg tcg ccg cgg gcc cag gag gag ggc ccg ggg gag ccg ccg ccg      240
51 Arg Ser Ser Pro Arg Ala Gln Glu Glu Gly Pro Gly Glu Pro Pro Pro
52 65          70          75          80
54 cct gag ctg gcg ttg ctg ccg cca ccg ccg ccg ccg ccg act ccc      288
55 Pro Glu Leu Ala Leu Leu Pro Pro Pro Pro Pro Pro Pro Thr Pro
56          85          90          95
58 gcg acc ccg acg tcc tcg gcg tcc aac ctg gac ctg ggc gag cag cgg      336
59 Ala Thr Pro Thr Ser Ser Ala Ser Asn Leu Asp Leu Gly Glu Gln Arg

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60          100          105          110
62 gag cgc tgg gag acg ttc cag aag cgg cag aag ctt acc tcc gag ggt      384
63 Glu Arg Trp Glu Thr Phe Gln Lys Arg Gln Lys Leu Thr Ser Glu Gly
64          115          120          125
66 gcc gcc aag ctc ctg cta gac acc ttt gaa tac cag ggc ctg gtg aag      432
67 Ala Ala Lys Leu Leu Leu Asp Thr Phe Glu Tyr Gln Gly Leu Val Lys
68          130          135          140
70 cac aca gga ggc tgc cac tgt gga gca gtt cgt ttt gaa gtt tgg gcc      480
71 His Thr Gly Gly Cys His Cys Gly Ala Val Arg Phe Glu Val Trp Ala
72 145          150          155          160
74 tca gca gac ttg cat ata ttt gac tgc aag tac cgg aat tat ata tga      528
75 Ser Ala Asp Leu His Ile Phe Asp Cys Lys Tyr Arg Asn Tyr Ile
76          165          170          175
79 <210> SEQ ID NO: 2
80 <211> LENGTH: 175
81 <212> TYPE: PRT
82 <213> ORGANISM: Homo sapiens
84 <400> SEQUENCE: 2
86 Met Arg Arg Ser Arg Ser Ser Ala Ala Ala Lys Leu Arg Gly Gln Lys
87 1          5          10          15
90 Arg Ser Gly Ala Ser Ala Ala Pro Ala Ala Ser Ala Ala Ala Leu
91          20          25          30
94 Ala Pro Ser Ala Thr Arg Thr Arg Arg Ser Ala Ser Gln Ala Gly Ser
95          35          40          45
98 Lys Ser Gln Ala Val Glu Lys Pro Pro Ser Glu Lys Pro Arg Leu Arg
99          50          55          60
102 Arg Ser Ser Pro Arg Ala Gln Glu Glu Gly Pro Gly Glu Pro Pro Pro
103 65          70          75          80
106 Pro Glu Leu Ala Leu Leu Pro Pro Pro Pro Pro Pro Pro Thr Pro
107          85          90          95
110 Ala Thr Pro Thr Ser Ser Ala Ser Asn Leu Asp Leu Gly Glu Gln Arg
111          100          105          110
114 Glu Arg Trp Glu Thr Phe Gln Lys Arg Gln Lys Leu Thr Ser Glu Gly
115          115          120          125
118 Ala Ala Lys Leu Leu Leu Asp Thr Phe Glu Tyr Gln Gly Leu Val Lys
119          130          135          140
122 His Thr Gly Gly Cys His Cys Gly Ala Val Arg Phe Glu Val Trp Ala
123 145          150          155          160
126 Ser Ala Asp Leu His Ile Phe Asp Cys Lys Tyr Arg Asn Tyr Ile
127          165          170          175
130 <210> SEQ ID NO: 3
131 <211> LENGTH: 537
132 <212> TYPE: DNA
133 <213> ORGANISM: Homo sapiens
136 <220> FEATURE:
137 <221> NAME/KEY: CDS
138 <222> LOCATION: (1)..(534)
140 <400> SEQUENCE: 3
141 atg cgg cga tcg agg agc tct gcg gcc gcc aag ctg cgc ggg cag aag      48

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142 Met Arg Arg Ser Arg Ser Ser Ala Ala Ala Lys Leu Arg Gly Gln Lys
143 1 5 10 15
145 cgg tcc ggg gcc tcc ggg gcc tcc gcg gcc ccc gcg gcc tcc gcg gcc 96
146 Arg Ser Gly Ala Ser Gly Ala Ser Ala Ala Pro Ala Ala Ser Ala Ala
147 20 25 30
149 gct gcc ttg gca ccc agc gcc acc cgc aca cgg cgc tcc gct agc cag 144
150 Ala Ala Leu Ala Pro Ser Ala Thr Arg Thr Arg Arg Ser Ala Ser Gln
151 35 40 45
153 gcc ggg agc aag agc cag gcg gtg gag aag ccg ccg tcg gag aag ccg 192
154 Ala Gly Ser Lys Ser Gln Ala Val Glu Lys Pro Pro Ser Glu Lys Pro
155 50 55 60
157 cgg ctg agg cgc tcg tcg ccg cgg gcc cag gag gag ggc ccg ggg gag 240
158 Arg Leu Arg Arg Ser Ser Pro Arg Ala Gln Glu Glu Gly Pro Gly Glu
159 65 70 75 80
161 ccg ccg ccg cct gag ctg gcg ttg ctc ccg cca ccg ccg ccg ccg ccg 288
162 Pro Pro Pro Pro Glu Leu Ala Leu Leu Pro Pro Pro Pro Pro Pro Pro
163 85 90 95
165 ccg act ccc gcg acc ccg acg tcc tcg gcg tcc aac ctg gac ctg ggc 336
166 Pro Thr Pro Ala Thr Pro Thr Ser Ser Ala Ser Asn Leu Asp Leu Gly
167 100 105 110
169 gag cag cgg gag cgc tgg gag acg ttc cag aag cgg cag aag ctt acc 384
170 Glu Gln Arg Glu Arg Trp Glu Thr Phe Gln Lys Arg Gln Lys Leu Thr
171 115 120 125
173 tcc gag ggt gcc gcc aag ctc ctg cta gac acc ttt gaa tac cag ggc 432
174 Ser Glu Gly Ala Ala Lys Leu Leu Leu Asp Thr Phe Glu Tyr Gln Gly
175 130 135 140
177 ctg gtg aag cac aca gga ggc tgc cac tgt gga gca gtt cgt ttt gaa 480
178 Leu Val Lys His Thr Gly Gly Cys His Cys Gly Ala Val Arg Phe Glu
179 145 150 155 160
181 gtt tgg gcc tca gca gac ttg cat ata ttt gac tgc aag tac cgg aat 528
182 Val Trp Ala Ser Ala Asp Leu His Ile Phe Asp Cys Lys Tyr Arg Asn
183 165 170 175
185 tat ata tga 537
186 Tyr Ile
190 <210> SEQ ID NO: 4
191 <211> LENGTH: 178
192 <212> TYPE: PRT
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 4
197 Met Arg Arg Ser Arg Ser Ser Ala Ala Ala Lys Leu Arg Gly Gln Lys
198 1 5 10 15
201 Arg Ser Gly Ala Ser Gly Ala Ser Ala Ala Pro Ala Ala Ser Ala Ala
202 20 25 30
205 Ala Ala Leu Ala Pro Ser Ala Thr Arg Thr Arg Arg Ser Ala Ser Gln
206 35 40 45
209 Ala Gly Ser Lys Ser Gln Ala Val Glu Lys Pro Pro Ser Glu Lys Pro
210 50 55 60
213 Arg Leu Arg Arg Ser Ser Pro Arg Ala Gln Glu Glu Gly Pro Gly Glu
214 65 70 75 80

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217 Pro Pro Pro Pro Glu Leu Ala Leu Leu Pro Pro Pro Pro Pro Pro
218      85      90      95
221 Pro Thr Pro Ala Thr Pro Thr Ser Ser Ala Ser Asn Leu Asp Leu Gly
222      100      105      110
225 Glu Gln Arg Glu Arg Trp Glu Thr Phe Gln Lys Arg Gln Lys Leu Thr
226      115      120      125
229 Ser Glu Gly Ala Ala Lys Leu Leu Leu Asp Thr Phe Glu Tyr Gln Gly
230      130      135      140
233 Leu Val Lys His Thr Gly Gly Cys His Cys Gly Ala Val Arg Phe Glu
234 145      150      155      160
237 Val Trp Ala Ser Ala Asp Leu His Ile Phe Asp Cys Lys Tyr Arg Asn
238      165      170      175
241 Tyr Ile
245 <210> SEQ ID NO: 5
246 <211> LENGTH: 45
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Primer Sequence
253 <400> SEQUENCE: 5
254 gcaagcttgt cgaccatgag ttctgaatgt gatgttgga gctct      45
257 <210> SEQ ID NO: 6
258 <211> LENGTH: 30
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Primer Sequence
265 <400> SEQUENCE: 6
266 ctgacgtaat gtctggagtc gggctgactg      30
269 <210> SEQ ID NO: 7
270 <211> LENGTH: 30
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Primer Sequence
277 <400> SEQUENCE: 7
278 agccgggcaa gtcttcggtc ctgaccaatg      30
281 <210> SEQ ID NO: 8
282 <211> LENGTH: 44
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Primer Sequence
289 <400> SEQUENCE: 8
290 cggaattcgt cgactgcttt ttagtcttct tatagatata aagg      44
293 <210> SEQ ID NO: 9
294 <211> LENGTH: 62
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence

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298 <220> FEATURE:
299 <223> OTHER INFORMATION: Primer Sequence
301 <400> SEQUENCE: 9
302 agagagtagt aacaaaggct aaagacagtt gactgtatcg atgagttctg aatgtgatgt      60
304 tg                                                                    62
307 <210> SEQ ID NO: 10
308 <211> LENGTH: 64
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Primer Sequence
315 <400> SEQUENCE: 10
316 tggagacttg accaaacctc tggcgaagaa gtccaaagct tatagatata aagggttttac      60
318 atag                                                                    64
321 <210> SEQ ID NO: 11
322 <211> LENGTH: 22
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Primer Sequence
329 <400> SEQUENCE: 11
330 cgcgtttggg atcactacag gg                                              22
333 <210> SEQ ID NO: 12
334 <211> LENGTH: 22
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Primer Sequence
341 <400> SEQUENCE: 12
342 tatataattc cggtacttgc ag                                              22
345 <210> SEQ ID NO: 13
346 <211> LENGTH: 20
347 <212> TYPE: DNA
348 <213> ORGANISM: Artificial Sequence
350 <220> FEATURE:
351 <223> OTHER INFORMATION: Primer Sequence
353 <400> SEQUENCE: 13
354 taatacgact cactataggg                                              20
357 <210> SEQ ID NO: 14
358 <211> LENGTH: 18
359 <212> TYPE: DNA
360 <213> ORGANISM: Artificial Sequence
362 <220> FEATURE:
363 <223> OTHER INFORMATION: Primer Sequence
365 <400> SEQUENCE: 14
366 atgcggcgat cgaggagc                                              18
369 <210> SEQ ID NO: 15
370 <211> LENGTH: 21
371 <212> TYPE: DNA

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VERIFICATION SUMMARY

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Input Set : A:\Q87392 Sequence Listing.txt

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date